

LOCUS AA511039 375 bp mRNA EST 08-JUL-1997
 DEFINITION vh55g05.r1 Soares_mammary_gland_NbMMG Mus musculus cDNA clone
 IMAGE:890936 5' similar to TR:G836683 G836683
 METALLOPROTEASE/DISINTEGRIN-LIKE PROTEIN ;, mRNA sequence.
 ACCESSION AA511039
 VERSION AA511039.1 GI:2248893
 KEYWORDS EST.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 REFERENCE 1 (bases 1 to 375)
 AUTHORS Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
 Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
 Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
 Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
 Waterston,R.
 TITLE The WashU-HHMI Mouse EST Project
 JOURNAL Unpublished (1996)
 COMMENT Contact: Marra M/Mouse EST Project
 WashU-HHMI Mouse EST Project
 Washington University School of MedicineP
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: mouseest@watson.wustl.edu
 This clone is available royalty-free through LLNL ; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 MG1:516896
 Seq primer: -28ml3 rev2 ET from Amersham
 High quality sequence stop: 312.
 FEATURES
 source Location/Qualifiers
 1. 375
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="IMAGE:890936"
 /clone_lib="Soares_mammary_gland_NbMMG"
 /sex="male"
 /tissue_type="mammary gland"
 /dev_stage="4 weeks"
 /lab_host="DH10B"
 /note="Organ: mammary gland; Vector: pT7T3D-Pac (Pharmacia
) with a modified polylinker; Site_1: Not I; Site_2: Eco
 RI; 1st strand cDNA was primed with a Not I - oligo(dT)
 primer [5'
 TGTTACCAATCTGAAGTGGGAGCGCCGCGAATGGTTTTTTTTTTTTTTTTTTTT
 T 3']; double-stranded cDNA was ligated to Eco RI
 adaptors (Pharmacia), digested with Not I and cloned into
 the Not I and Eco RI sites of the modified pT7T3 vector.
 RNA provided by Dr. Minoru Ko, Wayne State Univ. Library
 constructed and normalized by Bento Soares and M.Fatima
 Bonaldo."
 BASE COUNT 106 a 86 c 107 g 76 t
 ORIGIN

Query Match 11.8%; Score 295; DB 8; Length 375;
 Best Local Similarity 86.7%; Pred. No. 4.2e-72;
 Matches 325; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 1657 ttccagccacgaggggtatgaatgccgggagctgtgaacgagtgatattactgaatat 1716
 Db 1 TTTTCAGTCACGAGGGTATGAATGTCGGGATGCCGTAACACGCTGTGATATCACCGAGTAC 60
 Qy 1717 tgtactggagactctggctcagtgccaccaaactctcataagcaagacggatatgcatgc 1776
 Db 61 TGCACCTGGAGACTCTGGCCAGTCCCCACCGAACCTCCATAAACAAGATGGCTATAGCTGC 120
 Qy 1777 aatcaaaatcagggccgctgctacaatggcagtgcaagaccagagacaaccagtgctcag 1836
 Db 121 AATCAAAATCAGGGTCGCTGCTACAATGGCGAGTGCAAGACAAGGGACAATCAATGCCAG 180
 Qy 1837 tacatctggggaacaaaggctgcagggctcgacaagttctgctatgaaaagctgaatata 1896
 Db 181 TACATCTGGGGGACAAAGGCTCGGGGTCAGACAAGTTCTGCTATGAAAAGCTGAACACG 240
 Qy 1897 gaaggcactgagaagggaactgcgggaaggatggagaccgggtgattcagtcagcaaa 1956
 Db 241 GAAGGCACCGAGAAGGGCAATTGTGGAAGGATGGAGACCGGTGGATCCCGTGCAGCAAG 300
 Qy 1957 catgatgtgttctgtggattcttactctgtaccaatcttactcgagctccacgtattggt 2016
 Db 301 CATGATGTGTTCTGTGGATTCTGCTTTGCACCAATCTTACCCGAGCTCCACGTATCGGT 360
 Qy 2017 caacttcaggggtgag 2031
 Db 361 CAACTTCAAGGAGAG 375

LOCUS F08148 340 bp mRNA EST 21-FEB-1995
DEFINITION HSC2RF011 normalized infant brain cDNA Homo sapiens cDNA clone
c-2rf01, mRNA sequence.
ACCESSION F08148
VERSION F08148.1 GI:677656
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 340)
AUTHORS Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C., Devignes
,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B., Lorenzo,F.,
Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y.,
Sebastiani-Kabaktchis,C. and Tessier,A.
TITLE IMAGE: molecular integration of the analysis of the human genome
and its expression
JOURNAL C. R. Acad. Sci. III, Sci. Vie 318 (2), 263-272 (1995)
MEDLINE 95277534
COMMENT Contact: Genethon
Genexpress-Genethon
Genethon Centre de recherche sur le Genome Humain
1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE
Tel: 33169472800
Fax: 33160778698
Email: genexpress@genethon.fr
Single read.
Genexpress_library_idt: C; Genexpress_sequence_idt: ylc-2rf01
Seq primer: (-21)M13_universal.
FEATURES
source Location/Qualifiers
1..340
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="c-2rf01"
/clone_lib="normalized infant brain cDNA"
/sex="Female"
/tissue_type="total brain"
/dev_stage="3 months old"
/note="Organ: brain; Vector: lafmid BA; Site_1: HindIII;
Site_2: NotI; sex=Female; dev_stage=3 months old;
isolate=muscular atrophy patient; tissue_type=total brain
; total mRNA was oligo-(dT) primed and directionally
cloned 5' -> 3' into the HindIII -> NotI sites of the
lafmid BA vector. Clone library from B.Soaes, Psychiatry
Dept. Columbia University, USA. Normalization_method:
Bento Soares, P.N.A.S in press"
BASE COUNT 87 a 70 c 90 g 84 t 9 others
ORIGIN

Query Match 13.2%; Score 329.4; DB 157; Length 340;
Best Local Similarity 97.1%; Pred. No. 7.6e-82;
Matches 330; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1463 gtggagcctgccttttcaacaggccaacaaagctatttgagccacggaatgtggaatg 1522
|||||
Db 1 GTGGAGCCTGCCTTTCCAACAGGNNAACAAAGCTATTTNAGCCACGGAATGTGGAAATG 60
Qy 1523 gatacgtggaagctggggaggagtgtgattgtggttttcatgtggaatgctatggattat 1582
| | |||||
Db 61 GNTNCGTGAAGCTGGGGAGGAGTGTNATTGTGGTTTATGTGAATGCTATGGATTAT 120
Qy 1583 gctgtaagaaatgttccctctccaacggggctcactgcagcgacgggccctgctgtaaca 1642
|||||
Db 121 NCTGTAAGAAATGTNCCCTCTCCAACGGGGCTCACTGCAGCGACGGGCCCTGCTGTAACA 180
Qy 1643 atacctcatgtctttttcagccacgaggggatgaatgccgggatgctgtgaacgagtgtg 1702
|||||
Db 181 ATACCTCATGTCTTTTTCAGCCACGAGGGTATGAATGCCGGGATGCTGTGAACGAGTGTG 240
Qy 1703 atattactgaatattgtactggagactctggtcagtgcccaccaaattctcataagcaag 1762
|||||
Db 241 ATATTACTGAATATTGTACTGGAGACTCTGGTCAGTGCCACCAATCTTCATAAGCAAG 300

LOCUS R52569 405 bp mRNA EST 18-MAY-1995
 DEFINITION yg81c01.r1 Soares infant brain 1NIB Homo sapiens cDNA clone
 IMAGE:39972 5' similar to SP:DISI_BITAR P17497 DISINTEGRIN BITAN ;,
 mRNA sequence.
 ACCESSION R52569
 VERSION R52569.1 GI:814471
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 405)
 AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman
 ,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,
 Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston
 ,R., Williamson,A., Wohldmann,P. and Wilson,R.
 TITLE The WashU-Merck EST Project
 JOURNAL Unpublished (1995)
 COMMENT Contact: Wilson RK
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 Insert Size: 1295
 High quality sequence stops: 53 Source: IMAGE Consortium, LLNL This
 clone is available royalty-free through LLNL ; contact the IMAGE
 Consortium (info@image.llnl.gov) for further information.
 Insert Length: 1295 StG Error: 0.00
 Seq primer: M13RP1
 High quality sequence stop: 53.

FEATURES
 Location/Qualifiers
 source 1..405
 /organism="Homo sapiens"
 /db_xref="GDB:412513"
 /db_xref="taxon:9606"
 /clone="IMAGE:39972"
 /clone_lib="Soares infant brain 1NIB"
 /sex="female"
 /dev_stage="73 days post natal"
 /lab_host="DH10B (ampicillin resistant)"
 /note="Organ: whole brain; Vector: Lafmid BA; Site_1: Not
 I; Site_2: Hind III; 1st strand cDNA was primed with a Not
 I - oligo(dT) primer [5'
 AACTGGAAGAATTGCGGCCGAGGAATTTTTTTTTTTTTTTTTT 3'];
 double-stranded cDNA was ligated to Hind III adaptors
 (Pharmacia), digested with Not I and directionally cloned
 into the Not I and Hind III sites of the Lafmid BA vector.
 Library went through one round of normalization. Library
 constructed by Bento Soares and M.Fatima Bonaldo."
 BASE COUNT 105 a 84 c 111 g 97 t 8 others
 ORIGIN

Query Match 10.9%; Score 271.2; DB 187; Length 405;
 Est Local Similarity 88.4%; Pred. No. 2.3e-65;
 Matches 351; Conservative 0; Mismatches 33; Indels 13; Gaps 5;

Qy 1464 tggagcctgccttttcaacaggccaacaaagctatttgagccacggaatgtggaatgg 1523
 Db 1 TGGAGCCTGCCTTTTCAACAGGCCAACAAAGCTATTGAGCCACGGAATGTGGAATGG 60
 Qy 1524 atacgtggaagctggggaggagtgtgattgtggttttcatgtggaatgctatggattatg 1583
 Db 61 ATACGTGGAAGCTGGGGAGGAGTGTGATTGTGGTTTTCATGTGGAATGCTATGGATTATG 120
 Qy 1584 ctgtaagaaatgttccctctccaacggggctcactgcagcgacgggcccctgctgtaacaa 1643
 Db 121 CTGTAAGAAATGTTCCCTCTCCAACGGGGCTCACTGCAGCGACGGGCCCTGCTGNAACAA 180
 Qy 1644 tacctcatgtctttttcagccacgagggatgaatgccgggatgctgtgaacgagtgtga 1703
 Db 181 TACCTCATGTCTTTTTCAGCCACGANGGTATGAATGCCNGGATGCTGTGAACGAGTGTTA 240
 Qy 1704 tattactgaata-ttgtactggagactctgggtcagtgcacacaaatcttcataagcaag 1762
 Db 241 TATTACTGAATATTGTACTGGAGACTCTGGTCAGTGCCACCAAATCTTTCATAAGGC 300
 Qy 1763 acggatatgcatgcaatcaaaatca-----gggccgctgct-acaatggcgag-tgc 1812
 Db 301 AAGACGGGATATGGCATGGCAATCAAATNCAGGGGCCGCTGCTNACAATGGCGAGTTGC 360
 Qy 1813 aagaccagagacaa--ccagtgtcagtacatctgggg 1847
 Db 361 AAGACCAGNGGACANCCAGTGTCTAGTACATCTNGGG 397

52569
LOCUS R52569 405 bp mRNA EST 18-MAY-1995
DEFINITION yg8lc01.r1 Soares infant brain lNIB Homo sapiens cDNA clone
IMAGE:39972 5' similar to SP:DISI_BITAR P17497 DISINTEGRIN BITAN ;,
mRNA sequence.
ACCESSION R52569
VERSION R52569.1 GI:814471
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 405)
AUTHORS Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman,
M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J.,
Rifkin, L., Rohlfsing, T., Soares, M., Tan, F., Trevaskis, E., Waterston,
R., Williamson, A., Wohldmann, P. and Wilson, R.
TITLE The WashU-Merck EST Project
JOURNAL Unpublished (1995)
COMMENT Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 1295
High quality sequence stops: 53 Source: IMAGE Consortium, LLNL This
clone is available royalty-free through LLNL ; contact the IMAGE
Consortium (info@image.llnl.gov) for further information.
Insert Length: 1295 Std Error: 0.00
Seq primer: M13RP1
High quality sequence stop: 53.

FEATURES source

Location/Qualifiers
1. .405
/organism="Homo sapiens"
/db_xref="GDB:412513"
/db_xref="taxon:9606"
/clone="IMAGE:39972"
/clone_lib="Soares infant brain lNIB"
/sex="female"
/dev_stage="73 days post natal"
/lab_host="DH10B (ampicillin resistant)"
/note="Organ: whole brain; Vector: Lafmid BA; Site_1: Not
I; Site_2: Hind III; 1st strand cDNA was primed with a Not
I - oligo(dT) primer [5'
AACTGGAAGAATTTCGCGCCGAGGAATTTTTTTTTTTTTTTTTT 3'];
double-stranded cDNA was ligated to Hind III adaptors
(Pharmacia), digested with Not I and directionally cloned
into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M. Fatima Bonaldo."

BASE COUNT ORIGIN

105 a 84 c 111 g 97 t 8 others

ry Match 10.9%; Score 271.2; DB 187; Length 405;
Est Local Similarity 88.4%; Pred. No. 2.3e-65;
Matches 351; Conservative 0; Mismatches 33; Indels 13; Gaps 5;

QY 1464 tggagcctgccttttcaacaggccaacaaagctatttgagccacggaatgtggaatgg 1523
Db 1 TGGAGCCTGCCTTTTCAACAGGCCAACAAAGCTATTGAGCCACGGAATGTGGAATGG 60
QY 1524 atacgtggaagctggggaggagtgtgattgtggttttcatgtggaatgctatggattatg 1583
Db 61 ATACGTGGAAGCTGGGGAGGAGTGTGATTGTGGTTTTCATGTGGAATGCTATGGATTATG 120
QY 1584 ctgtaagaaatgttcctctccaacggggctcactgcagcgacgggcccctgctgtaacaa 1643
Db 121 CTGTAAGAAATGTTCCTCTCCAACGGGGCTCACTGCAGCGACGGGCCCTGCTGNAACAA 180
QY 1644 tacctcatgtctttttcagccacgagggtatgaatgccgggatgctgtgaacgagtgtga 1703
Db 181 TACCTCATGTCTTTTTCAGCCACGANGGTATGAATGCCNGGATGCTGTGAACGAGTGTGA 240
QY 1704 tattactgaata-ttgtactggagactctgggtcagtgccaccaaattctcataagcaag 1762
Db 241 TATTACTGAATATTGTACTGGAGACTCTGGTCAGTGCCACCAAATTCCTTCATAAGGC 300
QY 1763 acggatatgcatgcaatcaaaatca-----ggggccgtgct-acaatggcgag-tgc 1812
Db 301 AAGACGGGATATGGCATGGCAATCAAAATNCAGGGGCCGCTGCTNACAATGGCGAGTTGC 360
QY 1813 aagaccagagacaa--ccagtgtcagtacatctgggg 1847
361 AAGACCAGNGGACANCCAGTGTCTAGTACATCTNNGG 397

DEFINITION vh55g05.r1 S. Soares_mammary_gland_NbMMG Mus musculus cDNA clone
 IMAGE:890936 5' similar to TR:G836683 G836683
 METALLOPROTEASE/DISINTEGRIN-LIKE PROTEIN ; mRNA sequence.
 ACCESSION AA511039
 VERSION AA511039.1 GI:2248893
 KEYWORDS EST.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 REFERENCE 1 (bases 1 to 375)
 AUTHORS Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
 Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
 Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
 Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
 Waterston,R.
 TITLE The WashU-HHMI Mouse EST Project
 JOURNAL Unpublished (1996)
 COMMENT Contact: Marra M/Mouse EST Project
 WashU-HHMI Mouse EST Project
 Washington University School of MedicineP
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: mouseest@watson.wustl.edu
 This clone is available royalty-free through LLNL ; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 MGI:518896
 Seq primer: -28m13 rev2 ET from Amersham
 High quality sequence stop: 312.
 FEATURES
 source Location/Qualifiers
 1. 375
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="IMAGE:890936"
 /clone_lib="Soares_mammary_gland_NbMMG"
 /sex="male"
 /tissue_type="mammary gland"
 /dev_stage="4 weeks"
 /lab_host="DH10B"
 /note="Organ: mammary gland; Vector: pT7T3D-Pac (Pharmacia
) with a modified polylinker; Site_1: Not I; Site_2: Eco
 RI; 1st strand cDNA was primed with a Not I - oligo(dT)
 primer [5'
 TGTACCAATCTGAAGTGGGAGCGGCCGGAATGGTTTTTTTTTTTTTTTTTTTT
 T 3']; double-stranded cDNA was ligated to Eco RI
 adaptors (Pharmacia), digested with Not I and cloned into
 the Not I and Eco RI sites of the modified pT7T3 vector.
 RNA provided by Dr. Minoru Ko, Wayne State Univ. Library
 constructed and normalized by Bento Soares and M.Fatima
 Bonaldo."
 BASE COUNT 106 a 86 c 107 g 76 t
 ORIGIN

Query Match 11.8%; Score 295; DB 8; Length 375;
 Best Local Similarity 86.7%; Pred. No. 4.2e-72;
 Matches 325; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 1657 tttcagccacgagggtatgaatgccgggagtgctgtgaacgagtgatattactgaatat 1716
 Db 1 TTTCACTCACGAGGGTATGAATGTCGGGATGCCGTAAACAGCTGTGATATCACCGAGTAC 60
 Qy 1717 tgtactggagactctgtcagtgcccacaaatcttcataagcaagacggatatgcatgc 1776
 Db 61 TGCCTGGAGACTCTGGCCAGTGCCCAACCTCCATAAACAAGATGGCTATAGCTGC 120
 Qy 1777 aatcaaaatcagggcgcgtgtacaaatggcgagtgcaagaccagagacaaccagtgtcag 1836
 Db 121 AATCAAAATCAGGGTCGCTGTACAATGGCGAGTGCAAGACAAGGGACAATCAATGCCAG 180
 Qy 1837 tacatctggggaaacaaaggctgcaggggtctgacaagttctgctatgaaaagctgaatata 1896
 Db 181 TACATCTGGGGGACAAAGGCTGCGGGTCAGACAAGTTCTGCTATGAAAAGCTGAACACG 240
 Qy 1897 gaaggcactgagaagggaactgcgggaaggatggagaccggtgattcagtcagcaaaa 1956
 Db 241 GAAGGCACCGAGAAGGGCAATTGTGGAAAGGATGGAGACCGGTGGATCCCGTGCAGCAAG 300
 Qy 1957 catgatgtgttctgtggattcttactctgtaccaatcttactcgagctccacgtattggt. 2016
 Db 301 CATGATGTGTTCTGTGGATTCTGCTTTGCACCAATCTTACCCGAGCTCCACGTATCGGT. 360
 2017 caactttagcgtgagc 2031

